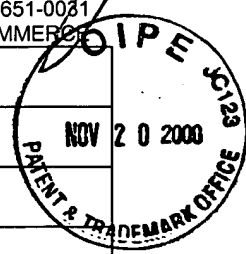


Sector # 3  
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PTO/SB/21 (modified)  
Approved for use through xx/xx/xx, OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



0001/PTO Rev. 10/95		U.S. Department of Commerce Patent and Trademark Office		Application Number	09/615,383
<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence during pendency of filed application)</i>				Filing Date	July 13, 2000
				First Named Inventor	Marc S. Casalaina
				Group Art Unit Number	2782
				Examiner Name	Unknown
Total Number of Pages in This Submission		11	Attorney Docket Number		21113-04968

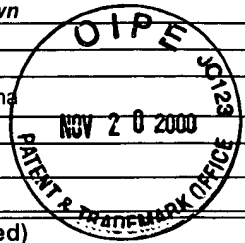
ENCLOSURES (check all that apply)	
<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate) <input checked="" type="checkbox"/> Check Enclosed <input checked="" type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Response to Notice to File Missing Parts <input type="checkbox"/> Assignment & Recordation Cover Sheet <input checked="" type="checkbox"/> Declaration <input checked="" type="checkbox"/> Small Entity Statement <input type="checkbox"/> Information Disclosure Statement & PTO-1449 <input type="checkbox"/> Copies of IDS Cited References <input type="checkbox"/> Request for Corrected Filing Receipt <input type="checkbox"/> Request for Correction of Recorded Assignment <input type="checkbox"/> Amendment/Response: [ ] Page(s) <input type="checkbox"/> After Final <input type="checkbox"/> Status Request <input type="checkbox"/> Revocation and Power of Attorney	<input type="checkbox"/> Issue Fee Transmittal <input type="checkbox"/> Letter to Chief Draftsperson <input type="checkbox"/> Formal Drawing(s): [ ] Sheet(s) of Figure(s) [ ] <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

REMARKS:

SIGNATURE OF ATTORNEY OR AGENT			
Signature:	<i>Neil F. Maloney</i>		
Attorney/Reg. No.:	Neil F. Maloney, Reg. No. 42,833	Dated:	November 15, 2000

CERTIFICATE OF MAILING			
I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Missing Parts, Commissioner for Patents, Washington, DC 20231 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 39 CFR 1.			
Signature:	<i>Neil F. Maloney</i>		
Typed or Printed Name:	Neil F. Maloney	Dated:	November 15, 2000
Express Mail Mailing Number (optional):			

0002/PTO(modified) Rev. 10/2000  <div style="text-align: center;"><b>FEE TRANSMITTAL</b></div> <div style="text-align: center;"><b>TOTAL AMOUNT OF PAYMENT</b></div> Subtotal (1) + Subtotal (2) + Subtotal (3) = <b>(\$ 653.00)</b>	<div style="text-align: center;"><b>Complete if Known</b></div> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Application Number</td><td>09/615,383</td></tr> <tr><td>Filing Date</td><td>July 13, 2000</td></tr> <tr><td>First Named Inventor</td><td>Marc S. Casalaina</td></tr> <tr><td>Group Art Unit</td><td>2782</td></tr> <tr><td>Examiner Name</td><td>Unknown</td></tr> <tr><td>Attorney Docket Number</td><td>21113-04968</td></tr> </table>	Application Number	09/615,383	Filing Date	July 13, 2000	First Named Inventor	Marc S. Casalaina	Group Art Unit	2782	Examiner Name	Unknown	Attorney Docket Number	21113-04968
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METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																										
<b>1. The Commissioner is hereby authorized to:</b>  <input type="checkbox"/> Charge the indicated fees to the below mentioned deposit account.  <input checked="" type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 - 1.21 or credit any over payments to the below mentioned deposit account. <sup>†</sup>  <input checked="" type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27  Deposit Account Number: 19-2555 Deposit Account Name: FENWICK & WEST LLP  A Duplicate Copy of this authorization is attached  <b>2. <input checked="" type="checkbox"/> Payment Enclosed:</b> <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Other	<b>3. ADDITIONAL FEES</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity Fee Code/Fee</th> <th style="text-align: left;">Small Entity Fee Code/Fee</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Due</th> </tr> </thead> <tbody> <tr><td>105/\$130</td><td>205/\$65</td><td>Surcharge - late filing fee or oath</td><td style="text-align: right;">65</td></tr> <tr><td>127/\$50</td><td>227/\$25</td><td>Surcharge-late provisional filing fee or cover sheet</td><td style="text-align: right;"></td></tr> <tr><td>147/\$2,520</td><td>147/\$2,520</td><td>For filing a request for reexamination</td><td style="text-align: right;"></td></tr> <tr><td>115/\$110</td><td>215/\$55</td><td>Extension for response within first month<sup>†</sup></td><td style="text-align: right;"></td></tr> <tr><td>116/\$390</td><td>216/\$195</td><td>Extension for response within second month<sup>†</sup></td><td style="text-align: right;"></td></tr> <tr><td>117/\$890</td><td>217/\$445</td><td>Extension for response within third month<sup>†</sup></td><td style="text-align: right;"></td></tr> <tr><td>118/\$1,390</td><td>218/\$695</td><td>Extension for response within fourth month<sup>†</sup></td><td style="text-align: right;"></td></tr> <tr><td>128/\$1,890</td><td>228/\$945</td><td>Extension for response within fifth month<sup>†</sup></td><td style="text-align: right;"></td></tr> <tr><td>119/\$310</td><td>219/\$155</td><td>Notice of Appeal</td><td style="text-align: right;"></td></tr> <tr><td>141/\$1,240</td><td>241/\$620</td><td>Petition to revive unintentionally abandoned application</td><td style="text-align: right;"></td></tr> <tr><td>142/\$1,240</td><td>242/\$620</td><td>Utility Issue Fee (Or Reissue)</td><td style="text-align: right;"></td></tr> <tr><td>143/\$440</td><td>243/\$220</td><td>Design Issue Fee</td><td style="text-align: right;"></td></tr> <tr><td>122/\$130</td><td>122/\$130</td><td>Petitions to the Commissioner</td><td style="text-align: right;"></td></tr> <tr><td>126/\$180</td><td>126/\$180</td><td>Submission of Information Disclosure Statement</td><td style="text-align: right;"></td></tr> <tr><td>179/\$710</td><td>279/\$355</td><td>Request for Continued Examination (RCE)</td><td style="text-align: right;"></td></tr> <tr><td>581/\$40</td><td>581/\$40</td><td>Recording each patent assignment per property (times number of properties)</td><td style="text-align: right;"></td></tr> <tr><td>146/\$710</td><td>246/\$355</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td style="text-align: right;"></td></tr> <tr><td>149/\$710</td><td>249/\$355</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td style="text-align: right;"></td></tr> <tr><td colspan="3">Other fee (specify):</td><td style="text-align: right;"></td></tr> <tr><td colspan="3">Other fee (specify):</td><td style="text-align: right;"></td></tr> <tr> <td colspan="3" style="text-align: right;"><b>SUBTOTAL (3)</b></td> <td style="text-align: right;"><b>(\$ 65)</b></td> </tr> </tbody> </table>	Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due	105/\$130	205/\$65	Surcharge - late filing fee or oath	65	127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet		147/\$2,520	147/\$2,520	For filing a request for reexamination		115/\$110	215/\$55	Extension for response within first month <sup>†</sup>		116/\$390	216/\$195	Extension for response within second month <sup>†</sup>		117/\$890	217/\$445	Extension for response within third month <sup>†</sup>		118/\$1,390	218/\$695	Extension for response within fourth month <sup>†</sup>		128/\$1,890	228/\$945	Extension for response within fifth month <sup>†</sup>		119/\$310	219/\$155	Notice of Appeal		141/\$1,240	241/\$620	Petition to revive unintentionally abandoned application		142/\$1,240	242/\$620	Utility Issue Fee (Or Reissue)		143/\$440	243/\$220	Design Issue Fee		122/\$130	122/\$130	Petitions to the Commissioner		126/\$180	126/\$180	Submission of Information Disclosure Statement		179/\$710	279/\$355	Request for Continued Examination (RCE)		581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)		146/\$710	246/\$355	Filing a submission after final rejection (37 CFR 1.129(a))		149/\$710	249/\$355	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify):				Other fee (specify):				<b>SUBTOTAL (3)</b>			<b>(\$ 65)</b>		
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\* Subtract the greater number of Col. 2

\*\* If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3

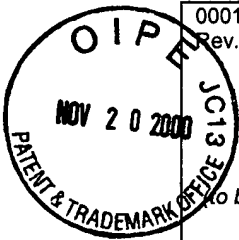
<b>SUBMITTED BY</b>		<b>Complete (if applicable)</b>	
Typed or Printed Name		Reg. Number	42,833
Signature	Neil F. Maloney <i>Neil F. Maloney</i>	Date	November 15, 2000

<sup>†</sup> Request for Extension of Time per 37 CFR 1.136 (a)(3) made hereby  
Rev. 09/30/2000

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0001/PTO Rev. 10/95		U.S. Department of Commerce Patent and Trademark Office	
<b>TRANSMITTAL FORM</b> (to be used for all correspondence during pendency of filed application)		Application Number	09/615,383
		Filing Date	July 13, 2000
		First Named Inventor	Marc S. Casalaina
		Group Art Unit Number	2782
		Examiner Name	Unknown
Total Number of Pages in This Submission	6	Attorney Docket Number	21113-04968

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REMARKS:	

SIGNATURE OF ATTORNEY OR AGENT			
Signature:	<i>Neil F. Maloney</i>		
Attorney/Reg. No.:	Neil F. Maloney, Reg. No. 42,833	Dated:	November 15, 2000

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Typed or Printed Name:	Neil F. Maloney	Dated:	November 15, 2000
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APPLICANT: Marc S. Casalaina  
APPLICATION NO.: 09/615,383  
FILING DATE: July 13, 2000  
TITLE: DELTA CACHING  
EXAMINER: Unknown  
GROUP ART UNIT: 2782  
ATTY. DKT. NO.: 21113-04968

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By: Neil F. Maloney

Neil F. Maloney, Reg. No. 42,833

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CUSTOMER SERVICE CENTER  
ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, DC 20231

**REQUEST FOR CORRECTED FILING RECEIPT**

SIR:

Enclosed is a red-inked copy of the Official Filing Receipt. It contains the following error:

1. The Applicant's middle initial is erroneously stated as "C." Please correct Applicant's middle initial to "S" as evidenced by the executed Declaration, a copy of which is enclosed.

Please issue a corrected Filing Receipt rectifying this error.

Respectfully submitted,  
MARC S. CASALAINA

Dated: November 15, 2000

By: Neil F. Maloney

Neil F. Maloney, Reg. No. 42,833

Attorney for Applicant  
Fenwick & West LLP  
Two Palo Alto Square  
Palo Alto, CA 94306  
Tel.: (415) 875-2477  
Fax: (415) 281-1350



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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/615,383 ✓	07/13/2000 ✓	2782	0	21113-04968 ✓	4 ✓	21 ✓	9 -

 Neil F Maloney  
 Fenwick & West LLP  
 Two Palo Alto Square ✓  
 Palo Alto, CA 94306

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FENWICK WEST LLP

## FILING RECEIPT



\*OC000000005478371\*

Date Mailed: 10/17/2000

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Applicant(s) S.

Marc ~~E~~. Casalaina, San Jose, CA ; ✓

Continuing Data as Claimed by Applicant

Foreign Applications

If Required, Foreign Filing License Granted 08/28/2000

Title

Delta caching ✓

Preliminary Class

710

Data entry by : LIEN, LUI

Team : OIPE

Date: 10/17/2000



## FILE COPY



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Bib Data Sheet

<b>SERIAL NUMBER</b> 09/615,383	<b>FILING DATE</b> 07/13/2000 <b>RULE</b> —	<b>CLASS</b> 710	<b>GROUP ART UNIT</b> 2782	<b>ATTORNEY DOCKET NO.</b> 21113-04968
<b>APPLICANTS</b> Marc S. Casalaina, San Jose, CA ;  <b>** CONTINUING DATA *****</b>  <b>** FOREIGN APPLICATIONS *****</b>				
<b>IF REQUIRED, FOREIGN FILING LICENSE</b> <b>GRANTED ** 08/28/2000</b> —				
Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no 35 USC 119 (a-d) conditions <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance Verified and Acknowledged _____ Examiner's Signature Initials		<b>STATE OR COUNTRY</b> CA	<b>SHEETS DRAWING</b> 4	<b>TOTAL CLAIMS</b> 21
<b>INDEPENDENT CLAIMS</b> 9				
<b>ADDRESS</b>  Neil F Maloney Fenwick & West LLP Two Palo Alto Square Palo Alto ,CA 94306				
<b>TITLE</b> Delta caching				
<b>FILING FEE RECEIVED</b> 669	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit	

## IN THE UNITED STATES

## PATENT AND TRADEMARK OFFICE



APPLICANT: Marc S. Casalaina

APPLICATION NO.: 09/615,383

FILING DATE: July 13, 2000

TITLE: DELTA CACHING

EXAMINER: Unknown

GROUP ART UNIT: 2782

ATTY. DKT. NO.: 21113-04968

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box Missing Parts, Commissioner For Patents, Washington, DC 20231, on the date shown below:

Dated: November 15, 2000

By:

Neil F. Maloney, Reg. No. 42,833

BOX MISSING PARTS  
COMMISSIONER FOR PATENTS  
WASHINGTON, DC 20231

RESPONSE TO NOTICE TO FILE MISSING  
PARTS OF APPLICATION

SIR:

Responsive to Notice to File Missing Parts dated October 17, 2000 received in the above-identified patent application, enclosed are:

- ☒ a copy of the Notice to File Missing Parts;
- ☒ an original, signed Declaration;
- ☒ a signed Verified Statement

- ☐ Applicant respectfully submits that since this application was entitled to Small Entity Status when filed, as established with the enclosed original, signed, Verified Statement, the fee for filing as a large entity as indicated in the Notice to File Missing Parts is inappropriate


and that the filing fee submitted with this application as originally  
filed is sufficient to cover the filing fees for this application;

☒ payment in the amount of \$653.00 for the application filing fee, additional  
claims fee, and missing parts surcharge; and

☐ Other:

Respectfully submitted,  
MARC C. CASALAINA

Dated: November 15, 2000

By:   
Neil F. Maloney, Reg. No. 42,833  
Attorney for Applicant  
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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/615,383	07/13/2000	Marc C. Casalaina	21113-04968

Neil F Maloney  
Fenwick & West LLP  
Two Palo Alto Square  
Palo Alto, CA 94306



## FORMALITIES LETTER



\*OC000000005478372\*

Date Mailed: 10/17/2000

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 690 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$486.
  - \$18 for 1 total claims over 20.
  - \$468 for 6 independent claims over 3 .
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 1306.

*A copy of this notice **MUST** be returned with the reply.*



Customer Service Center

Initial Patent Examination Division (703) 308-1202

11/24/2000 GTEFFERA 00000027 192555 09615383

01 FC:201		355.00 OP
02 FC:205		65.00 OP
03 FC:203		9.00 OP
04 FC:202	16.00 CH	224.00 OP

PART 2 - COPY TO BE RETURNED WITH RESPONSE